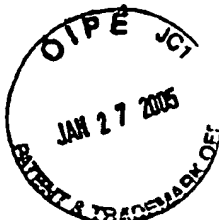


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IFW  
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Attorney Docket No. 0875C

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Number : 6,835,569 (09/770,564)  
Issued : December 28, 2004  
Name of Patentee : Jonathan P. Duvick, et al.  
Title of Invention : Amino Polyol Amine Oxidase Polynucleotides and  
Related Polypeptides and Methods of Use

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OFFICE OF PETITIONS

Attention Certificate of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT  
FOR APPLICANT'S MISTAKE (37 CFR 1.323)

1. Patentee hereby petitions to include all assignee's names on the above-identified patent by using the attached Certificate of Correction.
2. It is requested that 37 C.F.R. § 3.81(b) be waived to permit the correction of the name of the assignee to be provided after the issuance of this patent.
3. The failure to include all assignee names on the PTOL 85-B form was inadvertent.
4. A copy of the Notice of Recordation of Assignment Document for the omitted assignee is attached.
5. Petition and Certificate of Correction fees (37 C.F.R. § 1.17(i)) and 37 C.F.R. § 1.20(a)).

The petition fee of \$130.00 (37 C.F.R. § 1.17(i)) and the Certificate of Correction fee of \$100.00 (37 C.F.R. § 1.20(a)) are paid as follows:

6. Authorization is hereby made to charge the amount of \$230.00 to Deposit Account No. 16-1852. Please charge any additional fees required by this paper or credit any overpayment to the Deposit Account authorized above. A duplicate of this paper is attached.

01/31/2005 MAHMEI 00000092 161852 6835569

01 FC:1811 100.00 DA

02 FC:1464 130.00 DA

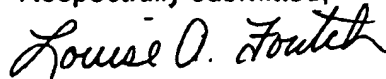
Patent No. 6,284,947 B1  
Attorney Docket No. 1096

6,835,569 (09/770,564)

7. Please send the Certificate to:

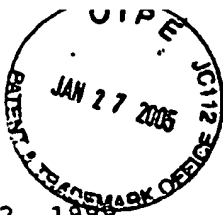
Name Louise A. Foutch  
Address: Pioneer Hi-Bred International, Inc.  
Corporate Intellectual Property  
7100 N.W. 62<sup>nd</sup> Avenue  
P.O. Box 1000  
Johnston, Iowa 50131-1000

Respectfully submitted,



Louise A. Foutch  
Attorney for Applicant(s)  
Registration No. 37,133

PIONEER HI-BRED INTERNATIONAL, INC.  
Corporate Intellectual Property  
7100 N.W. 62<sup>nd</sup> Avenue  
P.O. Box 1000  
Johnston, Iowa 50131-1000  
Phone: (515) 248-4835  
Facsimile: (515) 334-6883



0875

UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

SEPTEMBER 22, 1999

PTAS

PIONEER HI-BRED INTERNATIONAL, INC.  
KAREN MOON BRUCE  
CORPORATE INTELLECTUAL PROPERTY  
7100 N.W. 62ND AVENUE, P.O. BOX 1000  
JOHNSTON, IOWA 50131-1000



\*101098062A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/12/1999

REEL/FRAME: 010105/0124

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CRASTA, OSWALD

DOC DATE: 07/07/1999

ASSIGNOR:

FOLKERTS, OTTO

DOC DATE: 07/07/1999

ASSIGNEE:

CURAGEN

555 LONG WHARF DRIVE, 11TH FLOOR  
NEW HAVEN, CONNECTICUT 06511

SERIAL NUMBER: 09352168

FILING DATE: 07/12/1999

PATENT NUMBER:

ISSUE DATE:

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ANTIONE ROYALL, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

ATTORNEY DOCKET NO. 0875

07-22-1999

FORM PTO-1595

RECORD

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and

101098062

original documents or copy thereof

1. Name of conveying party(ies):

Oswald Crasta and Otto Folkerts

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Curagen  
555 Long Wharf Drive  
11<sup>th</sup> Floor  
New Haven, Connecticut 06511Additional name(s) and address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒
- Assignment
- 
- ☐
- Security Agreement
- 
- ☐
- Other

- ☐
- Merger
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- ☐
- Change of Name

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OFFICE OF PETITIONS

Execution Date: July 7, 1999

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: July 12, 1999

A. Patent Application No.(s)

09352168

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Karen Moon Bruce  
Pioneer Hi-Bred International, Inc.  
Corporate Intellectual Property  
7100 N.W. 62<sup>nd</sup> Avenue  
P.O. Box 1000  
Johnston, Iowa 50131-1000

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$40.00

- ☐
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- ☒
- Authorized to be charged to deposit account

402

8. Deposit account number: 16-1852.

(Attach a duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Karen Moon Bruce  
Name of Person Signing

Signature

Date

7/12/99

Total number of pages including cover sheet, attachments, and document: 4

7/31/1999 DNGUYEN 00000486 161852 09352168

FC:581

40.00 CH

**ASSIGNMENT - WORLDWIDE**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

CURAGEN  
555 Long Wharf Drive, 11<sup>th</sup> Floor  
New Haven, Connecticut 06511

its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the invention in "AMINO POLYOL AMINE OXIDASE POLYNUCLEOTIDES AND RELATED POLYPEPTIDES AND METHODS OF USE"

as set forth in this United States Patent Application

☒ executed concurrently herewith  
☐ executed on \_\_\_\_\_  
☐ Serial No. \_\_\_\_\_ filed \_\_\_\_\_

said application for United States Letters Patent, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions or upon said applications and every priority right that is or may be predicated upon or arise from said inventions, said applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be of said inventions, and to testify in any proceedings relating to said inventions, patent applications, Letters Patent.

The undersigned hereby grant an authorized representative of Assignee the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

Date 7-7-99

Otto Folkerts



State of Connecticut

County of New Haven

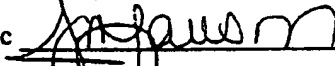
ss.

I certify that I know or have satisfactory evidence that Otto Folkerts is the person who appeared before me and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated

July 7, 1999

Signature of  
Notary Public



Printed Name

Jenell M. Lawson

My appointment expires

2/28/04

**JENELL MARIE LAWSON**  
**NOTARY PUBLIC**  
MY COMMISSION EXPIRES FEB. 28, 2004

7-7-99  
Date

  
Oswald R. Crasta

State of Connecticut )

County of New Haven )

ss.

I certify that I know or have satisfactory evidence that Oswald R. Crasta is the person who appeared before me and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

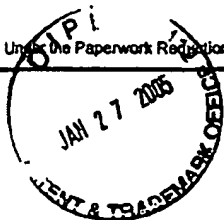
Dated July 7, 1999

Signature of  
Notary Public 

Printed Name Jenell M. Lawson

My appointment expires 2/28/04

**JENELL MARIE LAWSON**  
**NOTARY PUBLIC**  
MY COMMISSION EXPIRES FEB. 28, 2004



### Certificate of Mailing under 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

on January 24, 2005

Date

*Louise A. Foutch*

Signature

Louise A. Foutch

Typed or printed name of person signing Certificate

37,133

Registration Number, if applicable

515-253-2162

Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

1. Request for Certificate of Correction of Patent for Applicant's Mistake (1 original + 1 copy)
2. Certificate of Correction - PTO/SB/44 (1 original + 1 copy)

This collection of information is required by 37 CFR 1.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

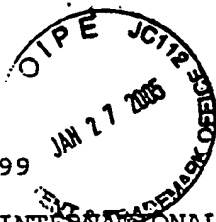
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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SEPTEMBER 22, 1999

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KAREN MOON BRUCE  
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7100 N.W. 62ND AVENUE, P.O. BOX 1000  
JOHNSTON, IOWA 50131-1000

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Washington, D.C. 20231



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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/12/1999

REEL/FRAME: 010105/0124  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
CRASTA, OSWALD

DOC DATE: 07/07/1999

ASSIGNOR:  
FOLKERTS, OTTO

DOC DATE: 07/07/1999

ASSIGNEE:  
CURAGEN  
555 LONG WHARF DRIVE, 11TH FLOOR  
NEW HAVEN, CONNECTICUT 06511

SERIAL NUMBER: 09352168  
PATENT NUMBER:

FILING DATE: 07/12/1999  
ISSUE DATE:

ANTIONE ROYALL, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

ATTORNEY DOCKET NO. 0875

07-22-1999

FORM PTO-1395

RECORD

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and

101098062

original documents or copy thereof

## 1. Name of conveying party(ies):

Oswald Crasta and Otto Folkerts

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 2. Name and address of receiving party(ies)

Curagen  
555 Long Wharf Drive  
11<sup>th</sup> Floor  
New Haven, Connecticut 06511Additional name(s) and address(es) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒
- Assignment
- 
- ☐
- Security Agreement
- 
- ☐
- Other

- ☐
- Merger
- 
- ☐
- Change of Name

Execution Date: July 7, 1999

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: July 12, 1999

A. Patent Application No.(s)

09352168

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Karen Moon Bruce  
Pioneer Hi-Bred International, Inc.  
Corporate Intellectual Property  
7100 N.W. 62<sup>nd</sup> Avenue  
P.O. Box 1000  
Johnston, Iowa 50131-10006. Total number of applications and patents involved: 1

## 7. Total fee (37 CFR 3.41)

\$40.00

- ☐
- Enclosed
- 
- ☒
- Authorized to be charged to deposit account

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8. Deposit account number: 16-1852.

(Attach a duplicate copy of this page if paying by deposit account)

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## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Karen Moon Bruce  
Name of Person Signing

Signature

Date

7/12/99

8/1/1999 DNGUYEN 00000486 161852

Total number of pages including cover sheet, attachments, and document: 4

FC:581

40.00 CH

## ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

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New Haven, Connecticut 06511

its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the invention in "AMINO POLYOL AMINE OXIDASE POLYNUCLEOTIDES AND RELATED POLYPEPTIDES AND METHODS OF USE"


as set forth in this United States Patent Application

☒ executed concurrently herewith  
☐ executed on \_\_\_\_\_  
☐ Serial No. \_\_\_\_\_ filed \_\_\_\_\_

said application for United States Letters Patent, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions or upon said applications and every priority right that is or may be predicated upon or arise from said inventions, said applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be of said inventions, and to testify in any proceedings relating to said inventions, patent applications, Letters Patent.

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Date 7-7-99

Otto Folkerts 

State of Connecticut

County of New Haven

ss.

I certify that I know or have satisfactory evidence that Otto Folkerts is the person who appeared before me and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated July 7, 1999

Signature of Notary Public 

Printed Name Jenell M. Lawson

My appointment expires 2/28/04

**JENELL MARIE LAWSON**  
**NOTARY PUBLIC**  
MY COMMISSION EXPIRES FEB. 28, 2004

7-7-99  
Date

[Signature]  
Oswald R. Crasta

State of Connecticut )

ss.

County of New Haven )

I certify that I know or have satisfactory evidence that Oswald R. Crasta is the person who appeared before me and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated July 7, 1999

Signature of  
Notary Public [Signature]

Printed Name Jenell M. Lawson

My appointment expires 2/28/04

**JENELL MARIE LAWSON**  
**NOTARY PUBLIC**  
MY COMMISSION EXPIRES FEB. 28, 2004